

1755 / \$

✓ [initials]

TRANSMITTAL LETTER (General - Patent Pending)	Docket No. 07820001AA
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In Re Application of **Oyama**

Application No. 10/089,515	Filing Date 7/3/02	Examiner E. Wood	Customer No. 30743	Group Art Unit 1755	Confirmation No. 7837
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Title: **Novel Transition Metal Phosphide Catalysts**

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

IDS, PTO-1449
6 references
\$180.00
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in the above identified application.

- ☐ No additional fee is required.
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Dated: **Nov. 18, 2004**

Signature

Michael E. Whitham
Reg. No. 32,635

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Customer No. 30743

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on
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CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of
Oyama

Serial No. 10/089,515

Group Art Unit: 1755

Filed: 7/3/02

Examiner: E. Wood

For: Novel Transition Metal Phosphide Catalysts

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 C.F.R. 1.97 through 1.98 and pursuant to applicants' duty of disclosure under 37 C.F.R. 1.56, applicant respectfully bring the following document and listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. A copy of the listed documents is provided herewith for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

It is respectfully requested that the listed reference be considered by the Examiner and formally made of record in this application.

A check in the amount of \$180.00 is attached to cover the filing of this IDS. Please charge any additional deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-2041.

Respectfully submitted,

Michael E. Whitham
Registration No.: 32,635

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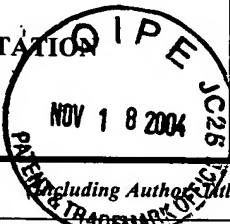
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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

07820001AA

Application Number

10/089,515

Applicant(s)

Oyama

Filing Date

7/3/02

Group Art Unit

1755

*EXAMINER

INITIAL

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

CA

Robinson, W.R.A.M., et al., "Phosphorus Promotion of Ni(Co)-Containing Mo-Free Catalysts in Quinoline Hydrodenitrogenation", J. of Catalysis, 161:539-550 (1996)

CB

Goodenough, J.B., et al., "Transition Metal Compounds", J. App. Phys., Vol. 40, No. 1, pp1250-1257 (3/1969)

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Wange, X., et al., "Synthesis, Characterization, and Hydrotreating Activity of Several Iron Group Transition Metal Phosphides", J. of Catalysis, pp, 321-331 (2002)

CD

Schonberg, N., "An X-Ray Investigation of Transition Metal Phosphides", Acta Chem. Scand., Vol. 8, No. 2, pp226-239 (1954)

CE

Clark, P., et al., "Characterization of Silica-Supported Molybdenum and Tungsten Phosphide Hydroprocessing Catalysts by 31P Nuclear Magnetic Resonance Spectroscopy", J. of Catalysis, 207:256-265 (2002)

CF

Clark, P.A., et al., "Alumina-Supported Molybdenum Phosphide Hydroprocessing Catalysts", J. of Catalysis, 218:78-87 (2003)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.